Preliminary Classification:

**Proposed Class:** 

Subclass:

NOTE:

"All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129." M.P.E.P. § 601, 7th ed.

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Director of the U.S. Patent and Trademark Office Mail Stop PATENT APPLICATION P.O. Box 1450 Alexandria, VA 22313-1450

#### **NEW APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of

Inventor(s): Ilkka HYYTIÄINEN

WARNING: 37 C.F.R.§ 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(l) is filed supplying or changing the name or names of the inventor or inventors."

For (title): Displays With Shared Backlight Guide

CERTIFICATION UNDER 37 C.F.R. § 1.10\*

(Express Mail label number is mandatory) (Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date, March 18, 2004, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number <u>EV 435647290 US</u>, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Annemarie Maher

or print name of person mailing paper)

Signature of person mailing paper

**WARNING:** 

Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8

cannot be used to obtain a date of mailing or transmission for this correspondence.

**WARNING:** 

Each paper or fee filed by "Express Mail" must have the number of the "Express Mail"

mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed.

Reg. 56,439, at 56,442.

### 1. Type of Application This new application is for a(n) (check one applicable item below) ☑ Original (nonprovisional) □ Design □ Plant WARNING: "Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 37(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application. WARNING: Do not use this transmittal for the filing of a provisional application. If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION. □ Divisional Continuation

### 2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. § 112. Each prior application must also be:

- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designated the United States of America; or
- (ii) Complete as set forth in § 1.51(b); or

☐ Continuation-in-part (C-I-P)

- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120,121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 199, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

WARNING:		G:	When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application <b>must</b> be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).						
			The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.						
3.	Pap	ers	Enclosed						
	<u>12</u>	1.1 Pa Pa	uired for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 3 (Design) Application es of specification es of claims ets of drawings						
	WAI	RNIN	G: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments or proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).						
	NOTE:		"Identifying indicia, if provided, should include the application number or the title of invention, inventor's name, docket number (if any), and the name and telephone number a person to call if the Office is unable to match the drawings to the proper application. T information should be placed on the back of each sheet of drawing a minimum distance 1.5 cm (5/8 inch) down from the top of the page" 37 C.F.R. § 1.84(c)).						
			(complete the following, if applicable)						
			The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. § 1.84(b).						
			The enclosed drawing(s) are in color. Three (3) sets of color drawings and a "PETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. §§ 1.84(a)(2) and 1.84(b).						
			formal informal						
			er Papers Enclosed						
	<u>0</u> <u>1</u> <u>0</u>		ges of declaration and power of attorney ges of abstract ier						
4.	Δda	ditio	nal papers enclosed						
••			endment to claims						
		the	ncel in this application claims before calculating filing fee. (At least one original independent claim must be retained for g purposes.)						
		bee	I the claims shown on the attached amendment. (Claims added have n numbered consecutively following the highest numbered original						

		Preliminary Amendment									
	X	☑ Information Disclosure Statement (37 C.F.R. § 1.98)									
	X	For	Form PTO-1449 (PTO/SB/08A and 08B)								
	X	Citations									
		Dec	Declaration of Biological Deposit								
		am		n of "Sequence Listing," computer readable copy and/or nt pertaining thereto for biotechnology invention containing and/or amino acid sequence							
			Authorization of Attorney(s) to Accept and Follow Instructions from Representative								
		Spe	ecial Co	omments							
		Oth	er								
5.	Do	alars	ation o	r oath (including power of attorney)							
WO'	TE: A newly executed declaration is not required in a continuation that the prior nonprovisional application contained a declaration filed is by all or fewer than all the inventors named in the matter in the application being filed, and a copy of the executable application (showing the signature or an indication thereon that copy must be accompanied by a statement requesting deletic are not inventors of the application being filed. If the declaration under § 1.47, then a copy of that declaration must be filed decision granting § 1.47 status or, if a nonsigning person under in a prior application, then a copy of the subsequently executed 37 C.F.R. §§ 1.63(d)(1)-(3).  TE: A declaration filed to complete an application must be executable to the subsequent of th		ewly exective prior g filed is ger in the lication (s must be not inven- sion grai prior app C.F.R. §§ eclaration th it is di n name, dence, po ntor is a	cuted declaration is not required in a continuation or divisional application provided or nonprovisional application contained a declaration as required, the application by all or fewer than all the inventors named in the prior application, there is no new application being filed, and a copy of the executed declaration filed in the prior showing the signature or an indication thereon that it was signed) is submitted. The exaccompanied by a statement requesting deletion of the names of person(s) who stors of the application being filed. If the declaration in the prior application was filed 7, then a copy of that declaration must be filed accompanied by a copy of the ning § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined polication, then a copy of the subsequently executed declaration must be filed. See 1.63(d)(1)-(3).  In filed to complete an application must be executed, identify the specification to rected, identify each inventor by full name including family name and at least one without abbreviation together with any other given name or initial, and the ost office address and country or citizenship of each inventor, and state whether the sole or joint inventor. 37 C.F.R. § 1.63(a)(1)-(4).							
NOTE:		deci oath appi to § is fil	aration a or decla lication, t 1.53(b),	rship of a nonprovisional application is that inventorship set forth in the oath or as prescribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an aration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional the inventorship is that inventorship set forth in the application papers filed pursuant unless a petition under this paragraph accompanied by the fee set forth in § 1.17(I) lying or changing the name or names of the inventor or inventors." 37 C.F.R. §							
			Enclos	sed							
			Execu	ted by							
				(check all applicable boxes)							
			□ in	ventor(s).							
			□ le	gal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.							
				nt inventor or person showing a proprietary interest on behalf of or who refused to sign or cannot be reached.							
٠				nis is the petition required by 37 C.F.R. § 1.47 and the statement quired by 37 C.F. R. § 1.47 is also attached. See item 13 below for e.							
		X	Not Er	nclosed							

NO	ΓE:	comp Appl may	re the filing is a completion in the U.S. of an International Application or where the pletion of the U.S. application contains subject matter in addition to the International ication, the application may be treated as a continuation or continuation-in-part, as the case be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT PRIOR U.S. APPLICATION CLAIMED.
			☐ Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of <i>all</i> the above named inventor(s).
(	Tḥe	decl	aration or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can be filed subsequently).
			☐ Showing that the filing is authorized.  (not required unless called into question. 37 C.F.R. § 1.41(d))
6.	Inv	ento	rship Statement
WA	RNIN	G:	If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.
The	e inv	ento	rship for all the claims in this application is:
	X	The	same.
			or
			the same. An explanation, including the ownership of the various claims ne time the last claimed invention was made,
			is submitted.
			will be submitted
7.	Lar	ngua	ge
NOTE:		Engl. of \$1	application including a signed oath or declaration may be filed in a language other than ish. An English translation of the non-English language application and the processing fee 130.00 required by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within time as may be set by the Office. 37 C.F.R. § 1.52(d).
		×	English Non English
			☐ The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).
8.	Ass	sign	ment
		X	An assignment of the invention to Nokia Corporation
			□ is attached. A separate □ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or □ FORM PTO 1595 is also attached.
			☑ will follow.
NO	TE:		n assignment is submitted with a new application, send two separate letters-one for the cation and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

WARNING:		A newly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" must be filed we continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 11 62-64.								
							assignment do			
						Reel_		_		
							·			
9. Ce	rtifie	d Copy								
Cei	rtified	d copy(ies)	of applica	ation(s)						
Co	untry	,		Aţ	opln. No.			Filed		
Co	untry			Ar	pln. No.			Filed		
from wl	hich <sub>I</sub>	priority is c	laimed:							
		is (are) att	ached.							
_	or de This pare unde item OF F	eclaration. 37 item is for a nt U.S. appli er 35 U.S.C. 18 on the A PRIOR U.S. A	C.F.R. § 1.9 ny foreign p cation or In § 120 is itse DDED PAG PPLICATIO	55(a) and 1.63 riority for whitemational A If entitled to E ES FOR NEV N(S) CLAIME § 1.16)	3. ich the app pplication i priority from V APPLIC	olication being from which thi o a prior foreig	ust be referred to in filed directly related is application claim n application, then SMITTAL WHERE I	s. If any s benefit complete		
				CLAIMS	AS EII EI	<u> </u>				
				CLAIIVIS	AO I ILLI					
Numbe	r file	d		Number E	xtra	Rate	Basid 37 C.F.R. § 1. \$77	16(a)		
Total C (37 C.F		s § 1.16(c))	8 - 20 =	0	х	\$18.00 =		*		
		t Claims } 1.16(b))	3 - 3 =	0	x	\$86.00 =				
		endent cla			+	\$290.00				
		Amendme Fee for ex	nt deletin tra claims	is not bein	depender ng paid at	ncies is enc t this time.				
NOTE:	ame	ndment, prio	r to the ex	piration of th	e time per		d or the claims car esponse by the Pa			
		Filing	Fee Calc	ulation			\$ 770	.00		

(New Application Transmittal [4-1] page 6 of 11)

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(	C.		Plant a	pplication					
			(\$480.0	0 - 37 C.F.F	R. § 1.16(	g))			
			·		ing Fee C			\$	
11. Sma	II E	ntit	y State	ment(s)					
			ent(s) th (are) att		filing by a	small entity	y under	37 C.F.F	R. §§ 1.9 and
WARNING		whice pate whice has divised 1.53 entite apple in the total desired apple in the desired appl	th the starnt does not does not have direction, or continuous to the depth of the does not be statement to the patent in the statement of the prior a red. The	tus is available tot affect any ctly or indirectly ablished. The continuation-in- e filing of a reismall entity staiming benefit a reissue app for the nonprovision to reipplication or in the prior pplication or in the prior or in the prior or polication or in the prior	e and desire other applic ly dependen e refiling of bart (includi ssue applica atus for the under 35 lication may ional applica application of the paten e small entity	ed. Status as cation or pate tupon the app is an application and continuous continuing or rules. See 119 or a station or the paten t and status at y basic statutos as tatutos a	a small e nt, includi olication on on under : ed prosec a new det reissue appli (e), 120, ement file ssue appli to or includ as a smal	entity in oning applicary patent in page 5, 1.53 as suttion application. In 121, or 3 d in the prication includes a copy II entity is	tion or patent in the application or tions or patents which the status a continuation, lication under § as to continued A nonprovisional 65(c) of a priorior application or udes a reference of the statement still proper and eated as such a
WARNING		state	ement car	status must no unequivocal y 1996 (empha	<b>ly</b> make the	shed when th required self-	e person -certificatio	or persons n." M.P.E.	s signing the P., § 509.03, 6 <sup>th</sup>
				(compl	ete the fo	llowing, if a	pplicable	∍)	
			Status	as a small e	ntity was	claimed in p	orior app	lication	
				<u>/</u>	, file	d on		****	_, from which
				is being cla		nis appiicati	ion unae	er:	
			35	U.S.C. § 🗆	119(e), 120,				
					121,				
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NOTE:	an	e file	d within 2		date of time	ely payment o			a refund request -month period is
12. Req	ues	t fo	r Intern	ational-Typ	e Search	(37 C.F.R.	§ 1.104	(d))	
				(con	nplete, if a	applicable)			
				an internat					ication at the
						(Name Accell	·	:	45 7 -5 44\

# 13. Fee Payment Being Made at This Time Not Enclosed No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § 1.16(e) can be paid subsequently.) □ Enclosed \$\_\_ □ Filing fee Recording assignment (\$40.00 - 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING \$\_\_\_ **NEW APPLICATION.")** Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached. (\$130.00 - 37 C.F.R. §§ 1.47 and 1.17(i)) □ For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k)) Processing and retention fee (\$130.00, 37 C.F.R. §§ 1.52(d) and 1.21(l)) ☐ Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e)) 37 C.F.R. § 1.21(I) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 C.F.R. § 1.53(f) and this, as well as the changes to 37 C.F.R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid, or the processing and retention fee of § 1.21(I) must be paid, within 1 year from the notification under § 53(f). **Total fees enclosed** 14. Method of Payment of Fees □ Attached is a □ check □ money order in the amount of \$\_\_\_\_\_ □ Authorization if hereby made to charge the amount of \$\_\_\_\_\_ to Deposit Account No. \_\_\_\_\_ to credit card as shown on the attached credit card information authorization form PTO-2038 ☐ Charge any additional fees required by this paper or credit any overpayment the manner authorized above. A duplicate of this transmittal is attached. NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. § 1.22(b).

(New Application Transmittal [4-1] page 8 of 11)

### 15. Authorization to Charge Additional Fees

WARNING:		If no fees are to be paid on filing, the following items should <u>not</u> be completed.					
WARNING:		Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.					
		The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No					
		☐ 37 C.F.R. § 1.16(a), (f), or (g) (filing fees) ☐ 37 C.F.R. § 1.16(b), (c), and (d) (presentation of extra claims)					
NOTE:	pres the 1.16	ause additional fees for excess or multiple dependent claims not paid on filing or on later entation must only be paid or these claims canceled by amendment prior to the expiration of time period set for response by the P.T.O. in any notice of fee deficiency (37 C.F.R. § (d)), it might be best not to authorize the P.T.O. to charge additional claim fees, except sibly when dealing with amendments after final action.					
		☐ 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)					
		☐ 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a))					
		☐ 37 C.F.R. § 1.17 (application processing fees)					
WARNING:		"A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).					
		□ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))					
NOTE:	mail	ere an authorization to charge the issue fee to a deposit account has been filed before the ing of a Notice of Allowance, the issue fee will be automatically charged to the deposit bunt at the time of mailing the Notice of Allowance. 37 C.F.R. § 1.311(b).					
to s is be i		C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement small entity status must be filed in the application prior to paying, or at the time of paying, . issue fee." From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must made even if the fee is paid as "other than a small entity" and (b) no notification is required if a change is to another small entity.					

## 16. Instructions as to Overpayment

Customer No. 004955

10. 1115	10. Instructions as to Overpayment				
NOTE:	a re dolla	Amounts of twenty-five dollars or less will not be reture assonable time, nor will the payer be notified of sollars may be returned by check or, if requested, by 66(a).	uch amounts; amounts over twenty-five		
		Credit Account No			
		Refund			
Date: I	Vlaro	ch 18, 2004	MATURE OF PRACTITIONER		
Reg. N	o. 2		WATCHE OF A NACTHIONER		
Tel. No	. (20	03) 261-1234 (type	Alfred A. Fressola e or print name of practitioner		
			e, Fressola, Van Der Sluys dolphson, LLP		

P.O. (Correspondence) Address

Building Five, Bradford Green 755 Main Street, P.O. Box 224

Monroe, CT 06468

Inc	orporation by reference of added pages
prio sta the	reck the following item if the application in this transmittal claims the benefit of or U.S. application(s) (including an international application entering the U.S. ge as a continuation, divisional or C-I-P application) and complete and attached ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE NEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.)
	Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed
	Number of pages added
	Plus Added Pages for Papers Referred to in Item 4 Above
	Number of pages added
	Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.
	Number of pages added
	Plus "Assignment Cover Letter Accompanying New Application"
	Number of pages added
Sta	atement Where No Further Pages Added
	(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item.
X	This transmittal ends with this page.

X